

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

12/29/2011

Lauren Greene
Assistant District Attorney, Suffolk County

Dear ADA Greene,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Daniel Renczkowski.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,



Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Maintenance and repairs of all analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP training with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS trainings with Agilent Technologies and Restek.
HPLC and LC/MS/MS trainings with Waters Cooperation.
FTIR training with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniel Renczkowski

Education

Degree: Bachelors of Science in Forensic Chemistry,
May 2005 from Buffalo State College
GPA: 3.84, Dean's List, Honor's Recognition
American Chemical Society Undergraduate Award
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

Employment

Massachusetts Department of Public Health Drug Analysis Laboratory
Chemist I (October 2005 – March 2008)
Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

Related Experience

Niagara County Forensics Laboratory
Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs



DRUG RECEIPT

CC # _____

BOOK # 64

PAGE # 51

DESTRUCTION # _____

District/Unit A-1 DCU

Name & Rank of Arresting Officer S/D Wm DWAN ID# 10060

To be completed by ECU personnel only

Name and Rank of Submitting Officer John S. Goff ID# 7370

Received by _____ Date _____

ECU Control

No. [REDACTED] Date Analyzed: 3-18-11
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 1 Cont: pb
Date Rec'd: 03/09/2011 No. Analyzed:
Gross Wt.: 2.46 Net Weight: 0.52
Tests: 6 [REDACTED]
• 2 DJR
Prelim: cocaine (O) Findings: Cocaine

No. [REDACTED] Date Analyzed: 3-18-11
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]
Amount: Subst: SUB
No. Cont: 27 Cont: pb
Date Rec'd: 03/09/2011 No. Analyzed: 3
Gross Wt.: 6.62 Net Weight: 3.62
Tests: 12 [REDACTED]
• 6 DJR
Prelim: cocaine Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST S>? ✓

No. of samples tested: _____ Evidence Wt: _____

PHYSICAL DESCRIPTION: Gross Wt (): _____

OFF white chunky substance Gross Wt (): _____

(7.1g) Pkg. Wt: _____

loose Net Wt: 0.5219

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (+) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (+) +

OTHER TESTS

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST D3J

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (2): 4.2598

Off white chunky substance
in 27 pw

Gross Wt (3): 0.4907

Pkg. Wt: _____

Net Wt: _____

PRELIMINARY TESTS

Spot Tests

Cobalt
3 Thiocyanate (-)+
3 Marquis —
3 Froehde's —
3 Mecke's —

Microcrystalline Tests

Gold
3 Chloride +
3 TLTA (-)+

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 3-15-11

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR P32

DATE 3-18-11

Sample #: [REDACTED]

samples tested: 3

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.1572	0.0191	0.1081	26			
2	0.2064	0.0192	0.1872	27			
3	0.1285	0.0209	0.1076	28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

Calculations:

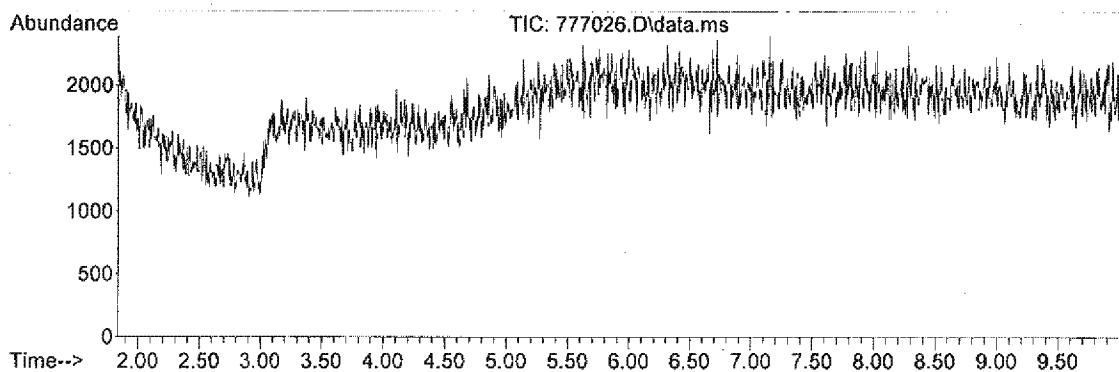
$$\text{Est net wt} = 0.4029 / 3 = 0.1343 \text{ (27)}$$

$$= 3.6261$$

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777026.D
Operator : ASD
Date Acquired : 17 Mar 2011 13:53
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

✓ DJR
12-28-11

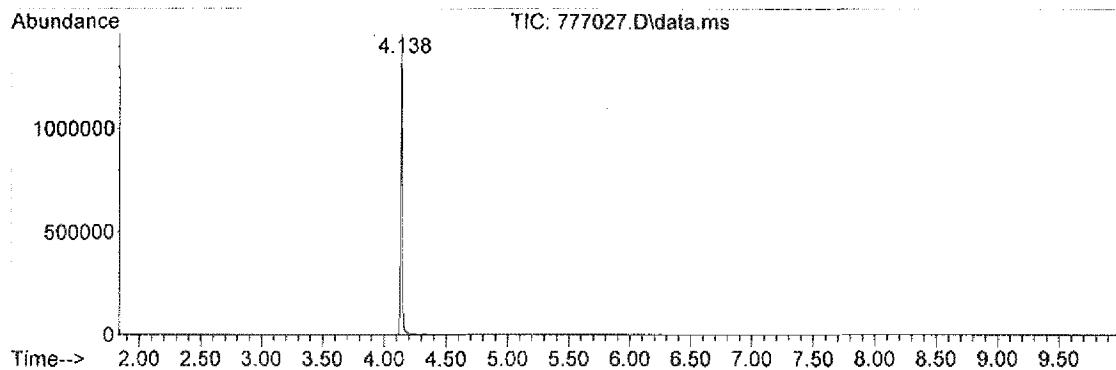


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777027.D
Operator : ASD
Date Acquired : 17 Mar 2011 14:06
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



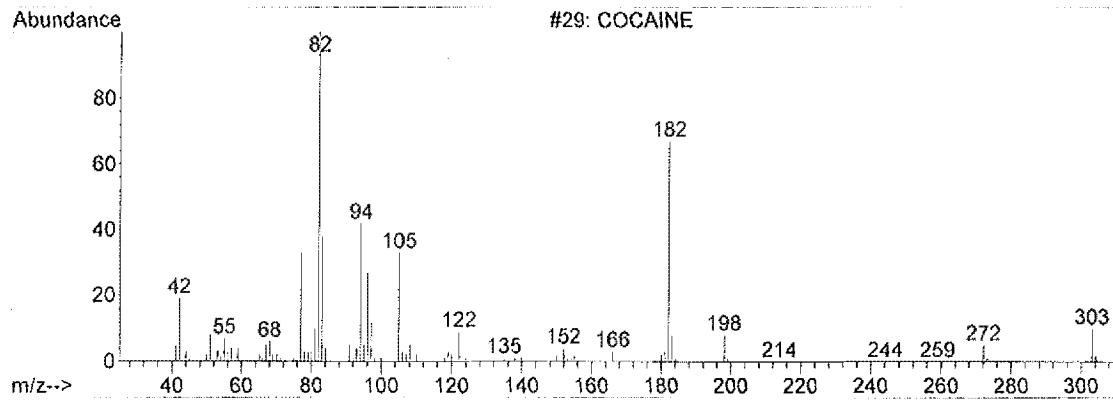
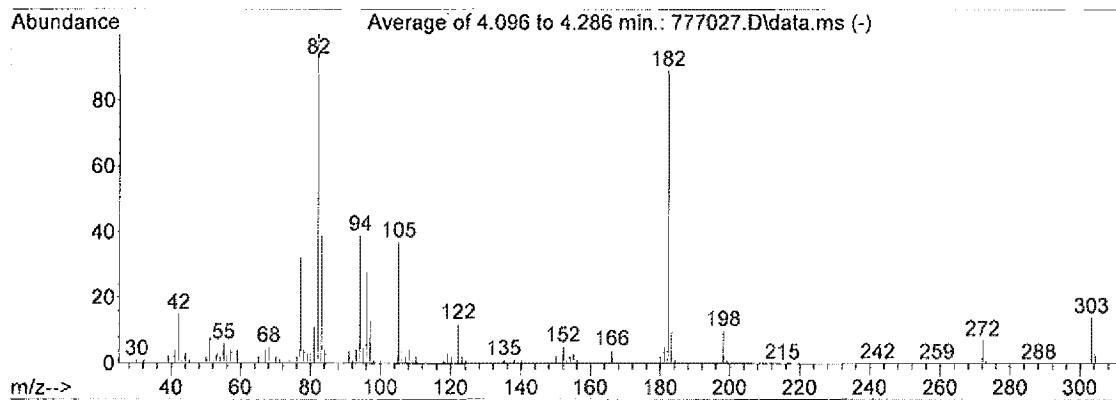
Ret. Time	Area	Area %	Ratio %
4.138	1342652	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777027.D
Operator : ASD
Date Acquired : 17 Mar 2011 14:06
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

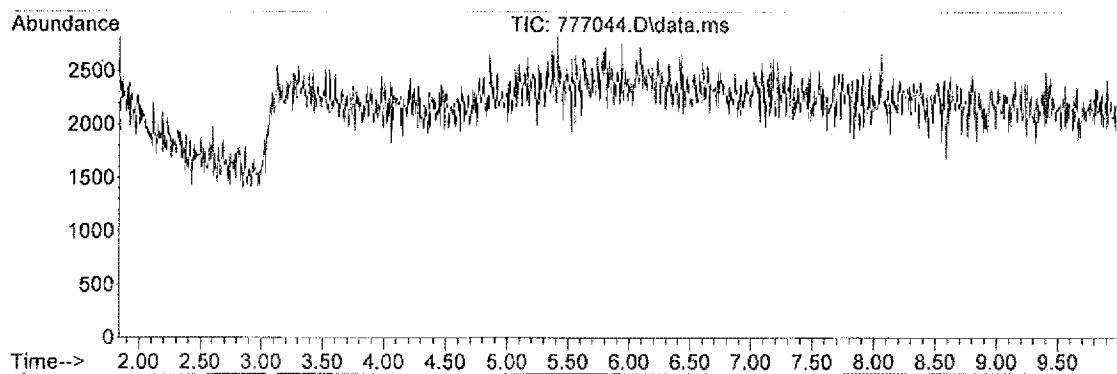
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777044.D
Operator : ASD
Date Acquired : 17 Mar 2011 17:47
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



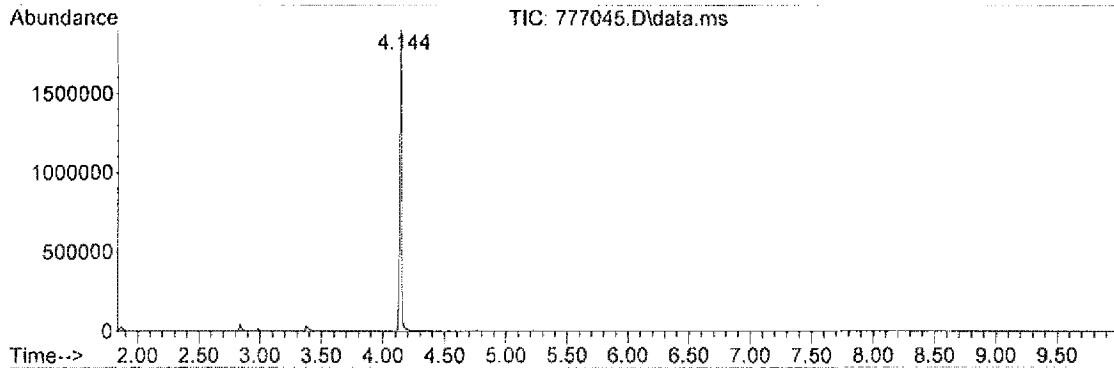
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777045.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:00
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.144	2154758	100.00	100.00

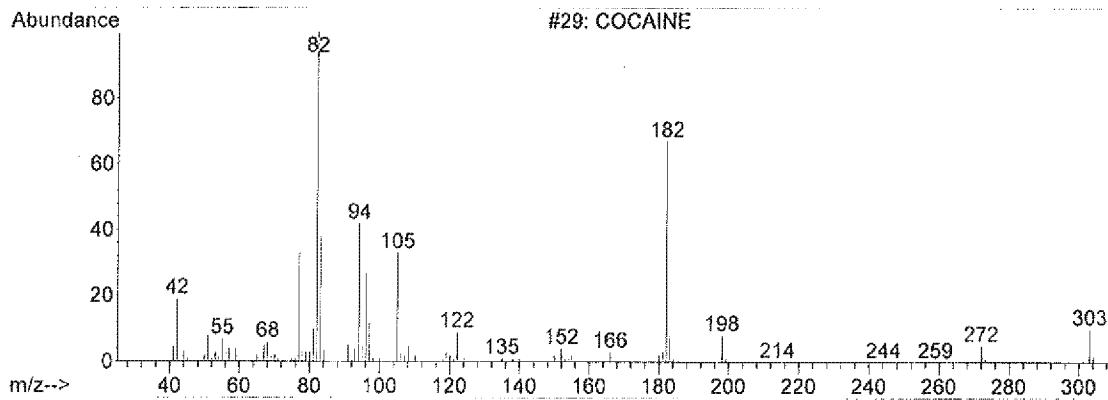
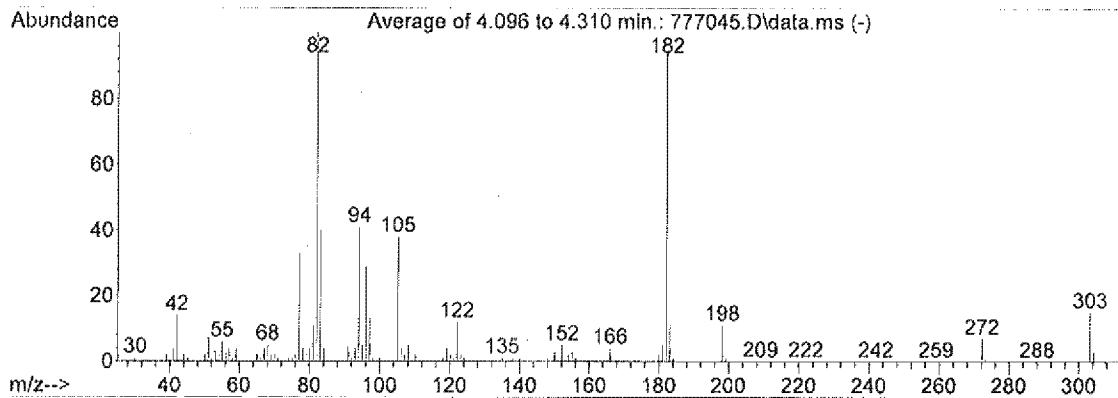
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777045.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:00
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

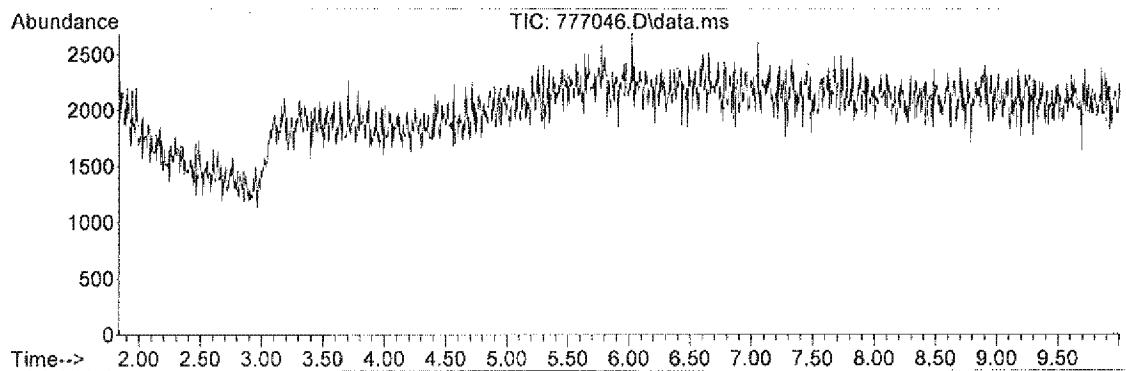
PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777046.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:13
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



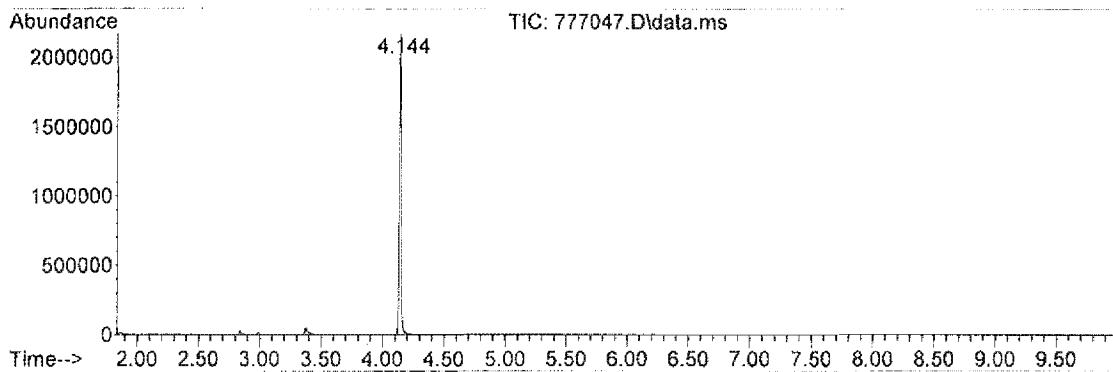
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777047.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:26
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE



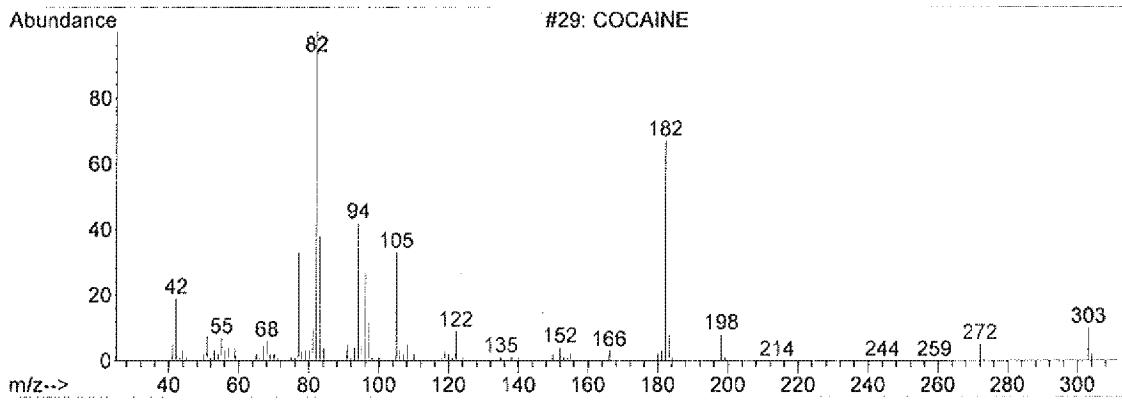
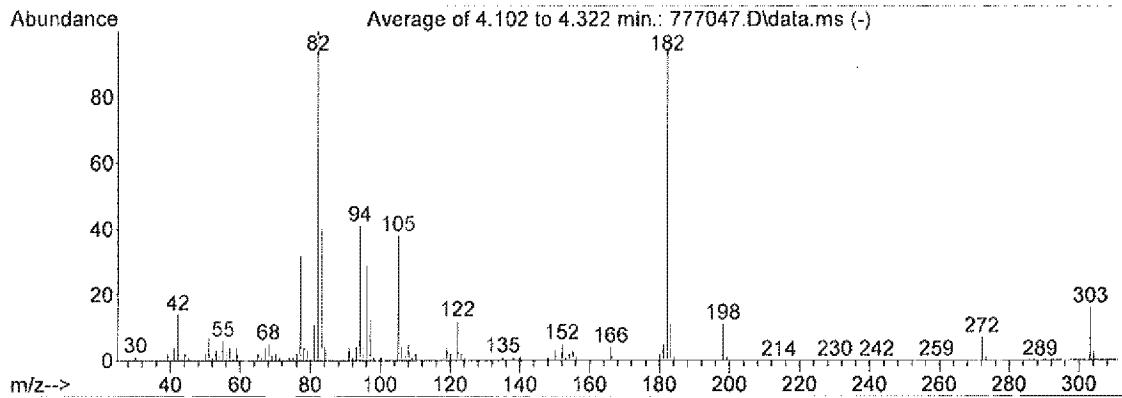
Ret. Time	Area	Area %	Ratio %
4.144	2352653	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777047.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:26
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS.M
Integrator : RTE

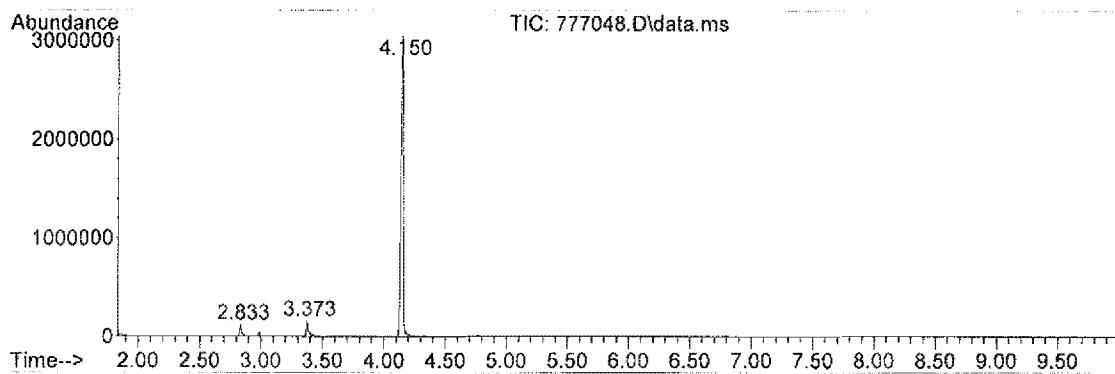
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777048.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:39
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.833	130473	2.94	3.21
3.373	231886	5.23	5.70
4.150	4070696	91.83	100.00

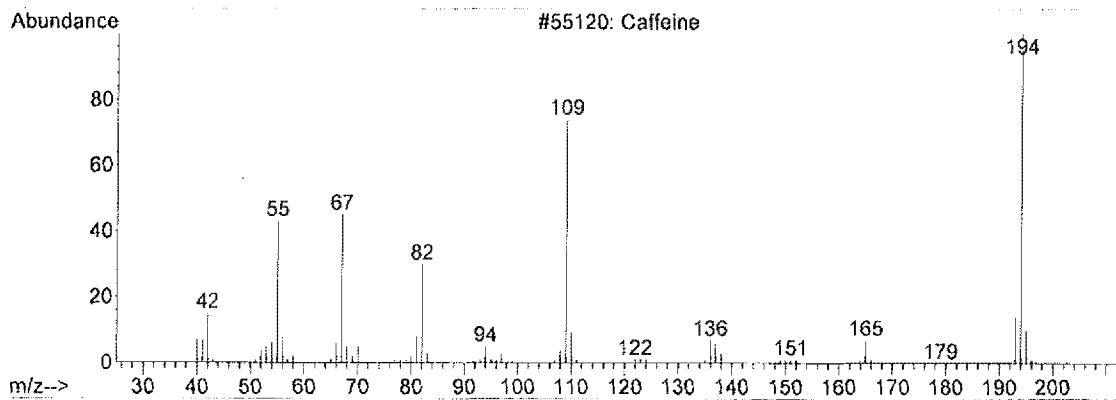
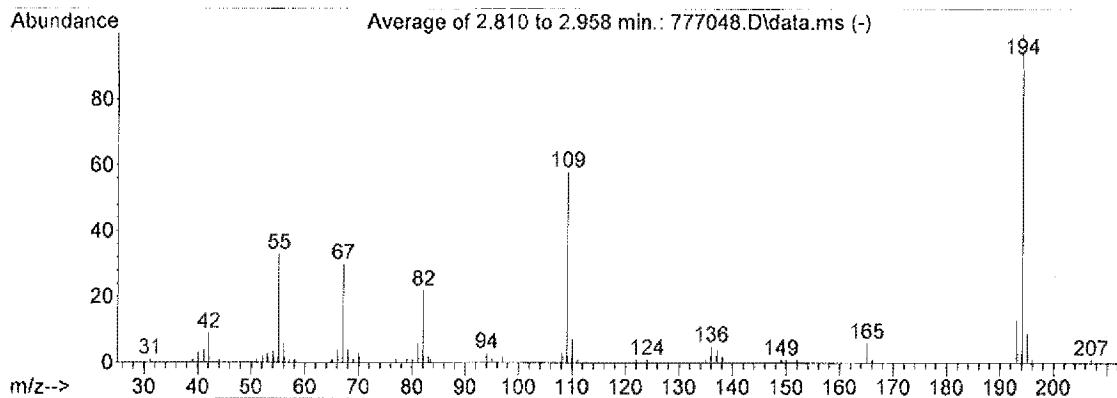
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777048.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:39
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.83	C:\Database\NIST08.L		
		Caffeine	000058-08-2	97
		Caffeine	000058-08-2	96
		Caffeine	000058-08-2	94

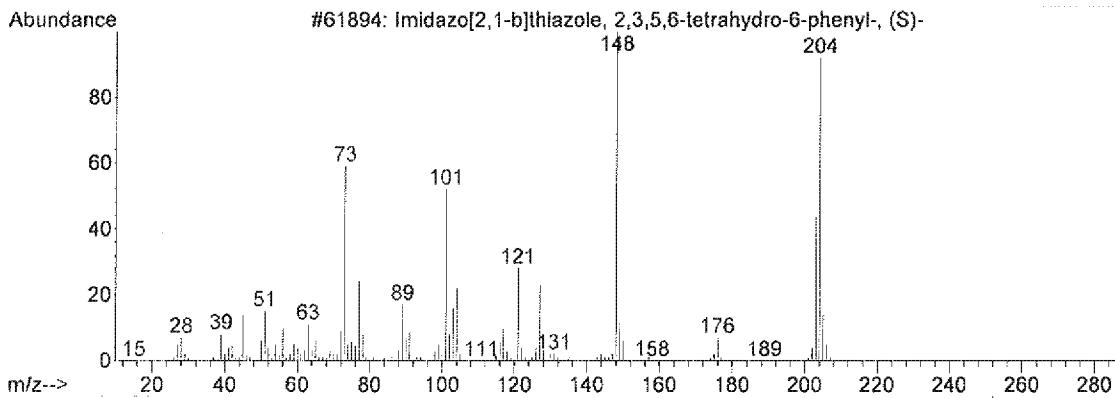
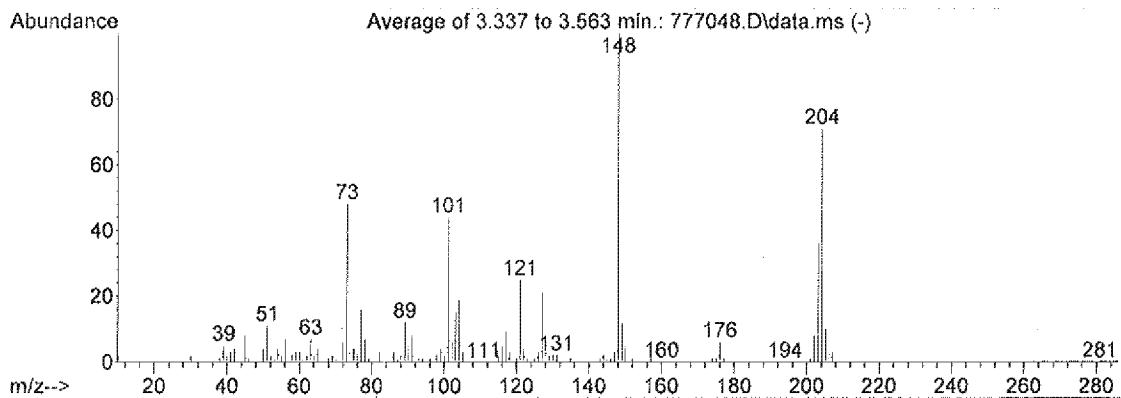


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777048.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:39
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.37	C:\Database\NIST08.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	99
		Levamisole	006649-23-6	99

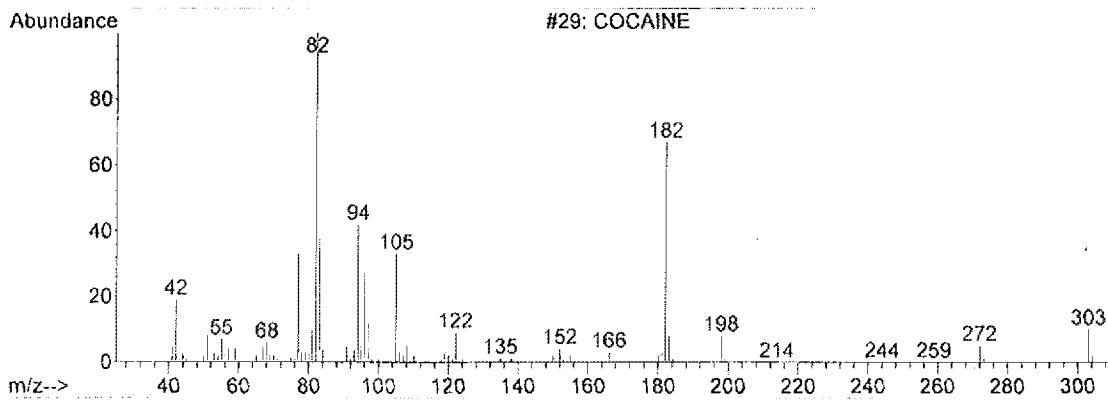
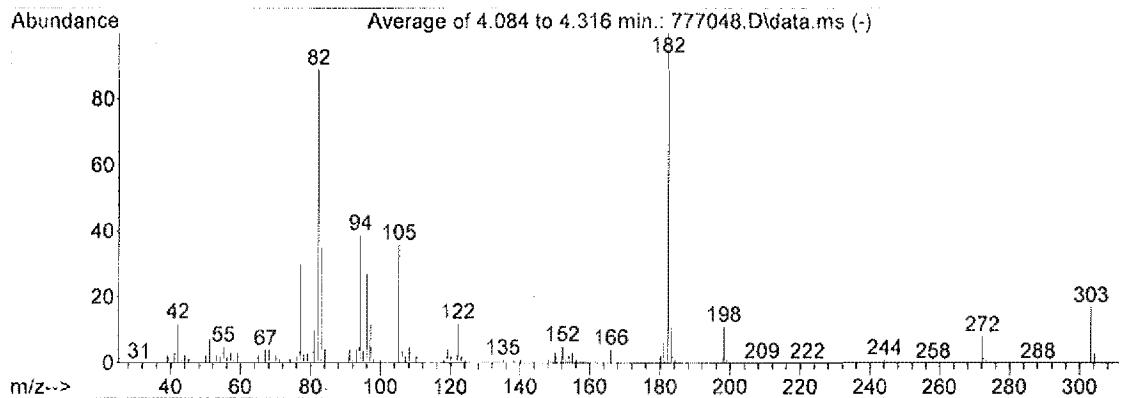


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777048.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:39
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

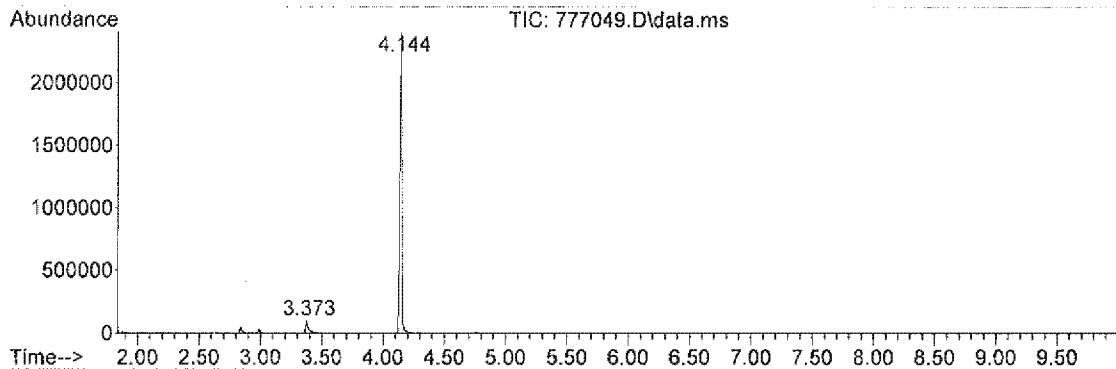
PK#	RT	Library/ID	CAS#	Qual
3	4.15	C:\Database\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777049.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:52
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 49
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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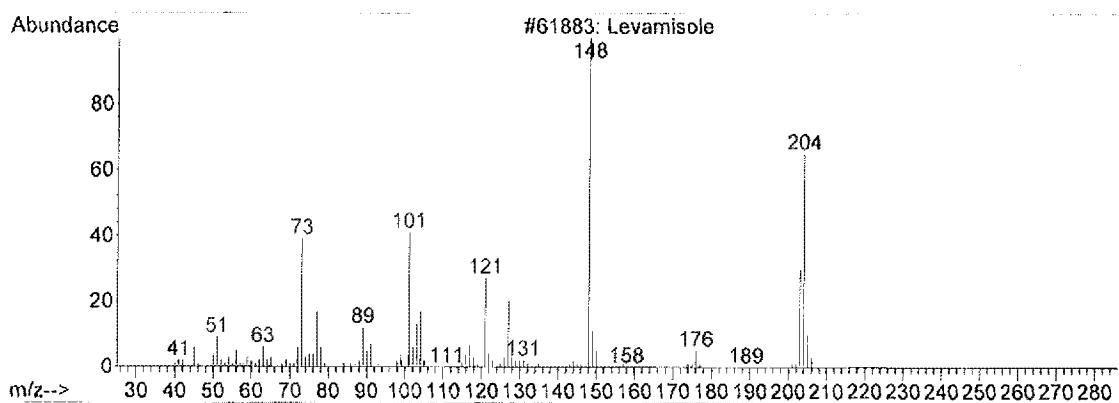
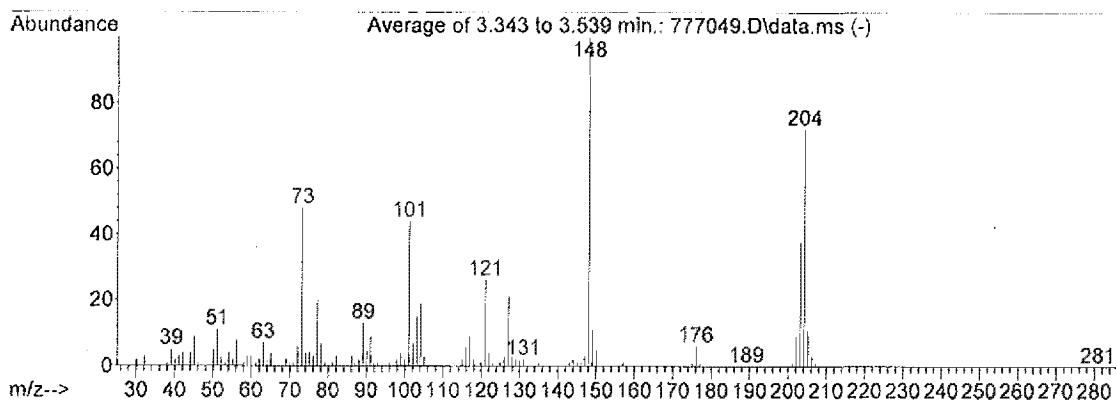
3.373	163176	5.83	6.20
4.144	2633347	94.17	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777049.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:52
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 49
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	3.37	C:\Database\NIST08.L		
		Levamisole	006649-23-6	99
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	014769-73-4	99
		Levamisole	006649-23-6	98

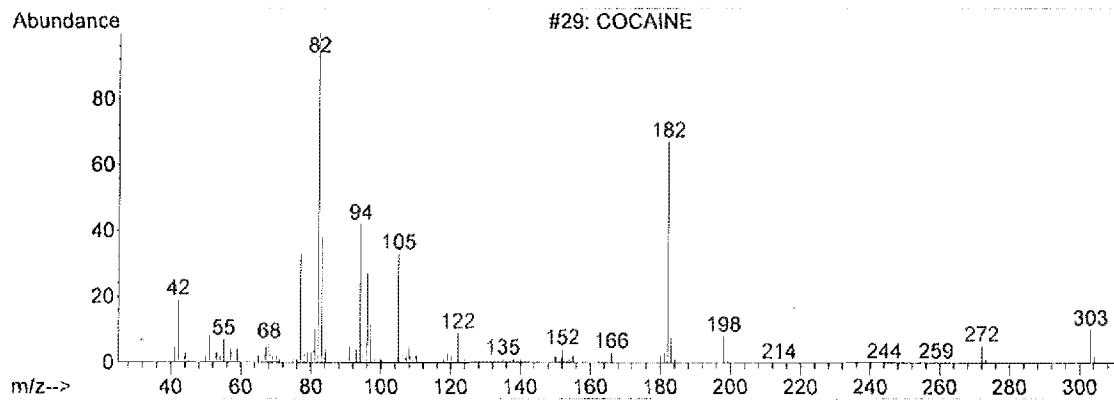
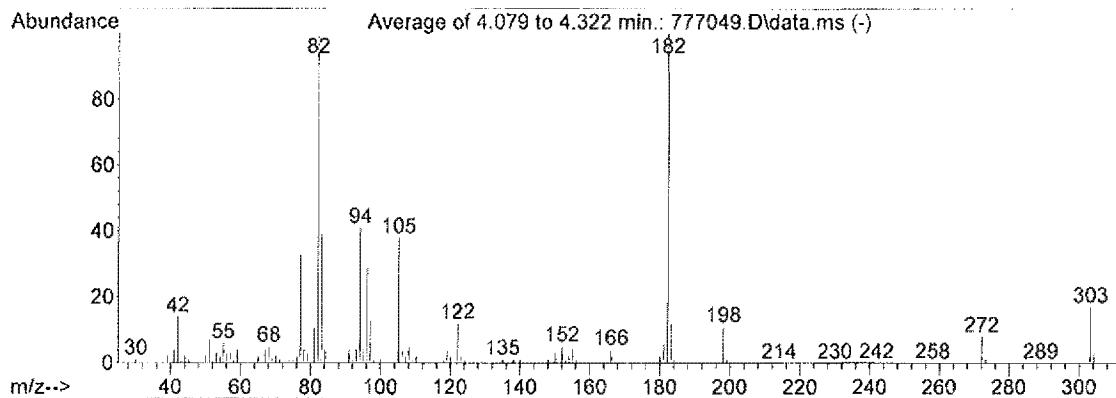


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777049.D
Operator : ASD
Date Acquired : 17 Mar 2011 18:52
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 49
AcquisitionMeth: DRUGS.M
Integrator : RTE

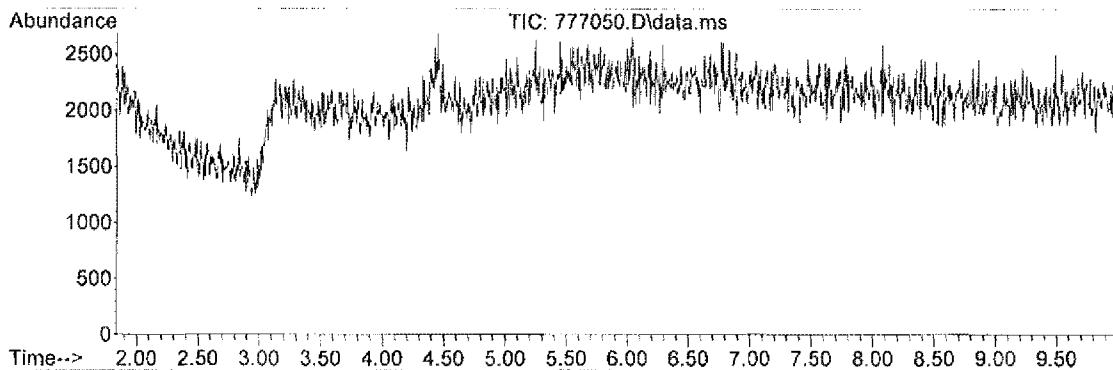
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777050.D
Operator : ASD
Date Acquired : 17 Mar 2011 19:05
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



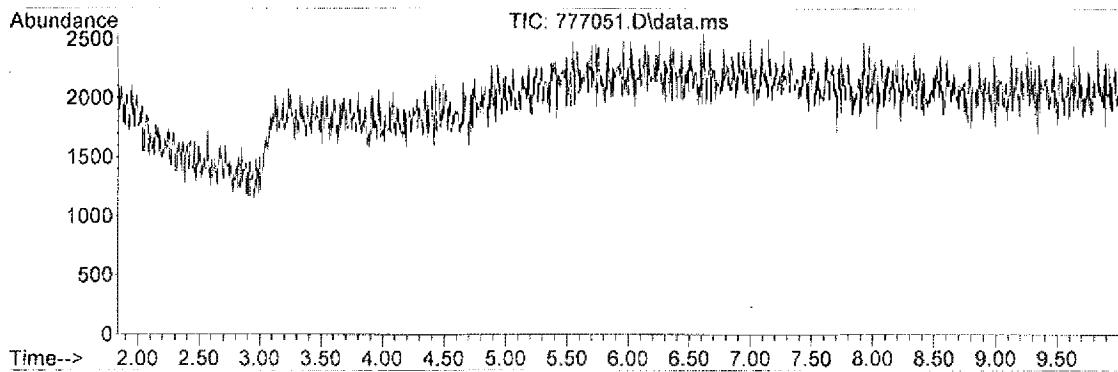
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777051.D
Operator : ASD
Date Acquired : 17 Mar 2011 19:18
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

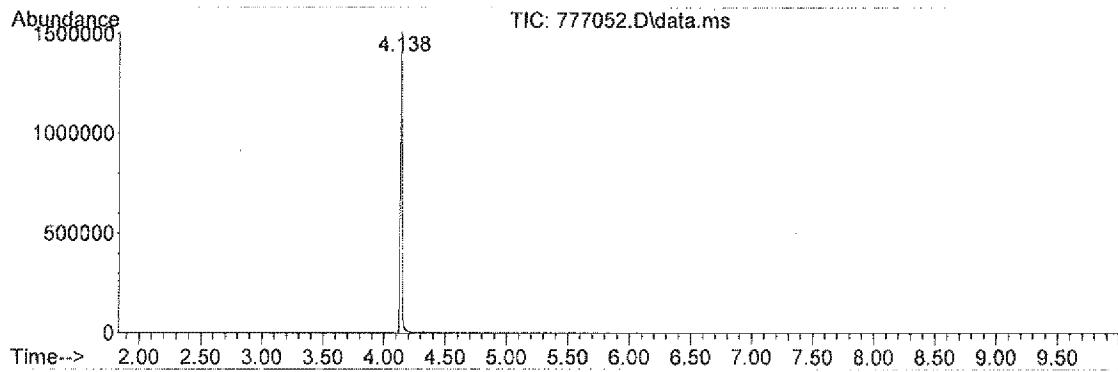


Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777052.D
Operator : ASD
Date Acquired : 17 Mar 2011 19:31
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.138	1393129	100.00	100.00

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_17_11\777052.D
Operator : ASD
Date Acquired : 17 Mar 2011 19:31
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.14	C:\Database\SLI.L COCAINE	000050-36-2	99

